



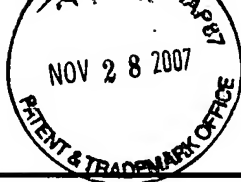
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application No.	10/714,182
		Filing Date	November 14, 2003
		First Named Inventor	John P. Christian
		Art Unit	2622
		Examiner Name	Yenke, Brian P.
Total Number of Pages in This Submission	24	Attorney Docket Number	42P17670

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> PTO/SB/08 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input checked="" type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; min-height: 80px;">Return postcard</div>
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Gordon R. Lindeen III, Reg. No. 33,192
Signature	
Date	November 26, 2007

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I hereby certify that this correspondence is being transmitted via facsimile on the date shown below to the United States Patent and Trademark Office.			
Typed or printed name	Krista Mathieson		
Signature		Date	November 26, 2007



FEE TRANSMITTAL for FY 2007

Patent fees are subject to annual revision.

Complete if Known

Application Number 10/714,182
Filing Date November 14, 2003
First Named Inventor John P. Christian
Examiner Name Yenke, Brian P.
Art Unit 2622
Attorney Docket No. 42P17670

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$) 510.00

METHOD OF PAYMENT (check all that apply)

- ☐ Check ☐ Credit card ☐ Money Order ☐ None ☒ Other (please identify): Charge Deposit Account
- ☒ Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP
- For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)
- ☒ Charge fee(s) indicated below ☒ Credit any overpayments
- ☐ Charge fee(s) indicated below, except for the filing fee ☒ Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.
- ☒ Charge any additional fee(s) or underpayment of fee(s) during the pendency of this application.

FEE CALCULATION

1. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
27	27* = 0	50.00	\$0.00
4	4* = 0	210.00	\$0.00
Multiple Dependent			
Large Entity	Small Entity		
Fee Code	Fee Code	Fee Description	
1202 50	2202 25	Claims in excess of 20	
1201 210	2201 105	Independent claims in excess of 3	
1203 370	2203 185	Multiple Dependent claim, if not paid	
1204 810	2204 405	**Reissue independent claims over original patent	
1205 810	2205 405	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (1)		(\$)	0.00

**or number previously paid, if greater, For Reissues, see below

2. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee Code		
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet.	
2053 130	2053 130	Non-English specification	
1251 120	2251 60	Extension for reply within first month	
1252 460	2252 230	Extension for reply within second month	
1253 1,050	2253 525	Extension for reply within third month	
1254 1,640	2254 820	Extension for reply within fourth month	
1255 2,230	2255 1,115	Extension for reply within fifth month	
1401 510	2401 255	Notice of Appeal	
1402 510	2402 255	Filing a brief in support of an appeal	510.00
1403 1,030	2403 515	Request for oral hearing	
1451 1,510	2451 1,510	Petition to institute a public use proceeding	
1460 130	2460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
1809 810	1809 405	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810 810	2810 405	For each additional invention to be examined (37 CFR § 1.129(b))	
Other fee (specify)			
SUBTOTAL (2)		(\$)	510.00

SUBMITTED BY

Complete (if applicable)

Name (Print/Type) Gordon R. Lindeen III Registration No. 33,192 Telephone (303) 740-1980
Signature [Signature] Date 11/26/07



Our Docket No.: 42P17670

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES**

In re Application of:

John P. Christian

Application No.: 10/714,182

Filed: November 14, 2003

For: Interchangeable Media Input
Cartridge For Home Entertainment

)
) Examiner: Yenke, Brian P.
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) Art Group: 2622
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Mail Stop: Appeal Brief - Patents
P.O. Box 1450
Alexandria, VA 22313-1450

APPEAL BRIEF
IN SUPPORT OF APPELLANT'S APPEAL
TO THE BOARD OF PATENT APPEALS AND INTERFERENCES

Sir:

Applicant (hereinafter "Appellant") hereby submits this Appeal Brief (hereinafter "Brief") in support of its appeal from a final decision by the Examiner, mailed July 18, 2007, in the above-referenced Application. Appellant respectfully requests consideration of this appeal by the Board of Patent Appeals and Interferences (hereinafter "Board") for allowance of the above-captioned patent application.

An oral hearing is not desired.

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I. REAL PARTY IN INTEREST

The invention is assigned to Intel Corporation of 2200 Mission College Boulevard, Santa Clara, California 95052.

II. RELATED APPEALS AND INTERFERENCES

To the best of Appellant's knowledge, there are no appeals or interferences related to the present appeal that will directly affect, be directly affected by, or have a bearing on the Board's decision.

III. STATUS OF CLAIMS

Claims 1-27 are currently pending in the above-referenced application. No claims have been allowed. All pending claims were rejected in the Final Office Action mailed July 18, 2007, and are the subject of this appeal.

All pending claims stand rejected under 35 U.S.C. § 103.

IV. STATUS OF AMENDMENTS

In response to the Final Office Action mailed on July 18, 2007, rejecting claims 1-27, Appellant timely filed a Notice of Appeal on September 19, 2007. No amendments were entered after the final rejection.

A copy of all claims on appeal is attached hereto as the Claims Appendix.

V. **SUMMARY OF THE CLAIMED SUBJECT MATTER**

The following paragraphs of the originally filed specification are believed to be instructive in considering the present application.

[0006] Supporting a line of products with different numbers and types of tuners can add greatly to the complexity and the cost of selling and marketing the equipment. It also can lead to compromises which require customers to either forego tuners which they desire or to pay for tuners which they cannot use. When the standards change, customers must replace the entire system.

Claim 1 refers to a system with the following elements:

a tuner to demodulate video signals (see e.g. item 13, page 7, lines 13 et seq., page 8, line 1 to page 9, line 10);

a first bus connector (see e.g. items 15, page 10, lines 14 et seq. and page 7, lines 20 et seq.) to receive modulated signals and supply the modulated signals to the tuner;
and

a second bus connector to send baseband signals received from the tuner and to communicate command and control signals between the tuner cartridge and a tuner system to which the bus connectors are connected (see e.g. item 17, page 11, lines 1 et seq.).

Claim 4, argued separately is a dependent claim that adds the following feature to Claim 1:

the second bus connector determines an address by polling its pins when connected to the tuner system (see e.g., item 19, page 10, lines 7-12).

Claim 18 adds the following feature to Claim 9:

slot comprises electrical connectors one or more of which are shorted high or low to create a fixed identification for the slot (see e.g., item 19, page 10, lines 7-12).

Claims 17 and 26 are worded similarly, respectively, as:

the baseband bus communicates an address for command and control signals to a tuner cartridge in the slot (see also e.g. page 10, lines 7-12); and

the baseband bus communicates an address for command and control signals to a tuner cartridge in the slot (see also e.g. page 10, lines 7-12).

Claim 15 is directed to a system that receives the apparatus of Claim 1.

a slot to receive a tuner cartridge (see e.g. item 37, page 5, lines 18 et seq.);

a baseband bus to connect to a tuner cartridge in the slot and to provide command and control to the tuner cartridge in the slot (see e.g. page 6, lines 1-2, page 11, lines 1 et seq.), ; and

a source bus to connect to the tuner cartridge in the slot and to supply modulated video signals to a tuner cartridge in the slot (see e.g. page 6, lines 1-2, page 10, lines 14 et seq. and page 7, lines 20 et seq.).

Claim 24 is directed to a consumer entertainment system that includes the elements of Claim 15 and also one further element:

a video processor coupled to the baseband bus to generate a video signal at the video output connector for a video device (see e.g. item 41, page 9, lines 3-6 and page 12, lines 18 et seq.)

Claim 8 is dependent on Claim 1 and adds a housing to enclose (see e.g. Figure 1 and page 5, line 20) the tuner and to carry the first bus connector and the second bus connector (see item 25, page 5, lines 22 et seq.).

Claim 9 is argued separately and includes the following elements:

a tuner to demodulate radio frequency modulated video signals (see e.g. item 13, page 7, lines 13 et seq., page 8, line 1 to page 9, line 10);

a housing to enclose the tuner (see e.g. Figure 1 and page 5, line 20);

a connector card edge protruding from an end of the housing to engage a slot in a tuner system (see e.g. item 23, page 5, line 20 et seq.); and

fingers on the connector card edge (see item 25, page 5, lines 22 et seq.) to connect to a bus in the tuner system when the card edge is engaged in the slot to receive power and to send tuned video signals.

Claim 10 is dependent on Claim 9 and adds the following additional elements:

a gripping surface to allow the cartridge to be inserted into and removed from a tuner system (see e.g. item 21, page 6, lines 8 et seq.).

VI. GROUND OF REJECTION TO BE REVIEWED ON APPEAL

Claims 1-27 under 35 U.S.C. §103(a) as being unpatentable over Tajima et al., JP-6169440 (“Tajima”), in view of Milne et al., US. 2002/0180890 (“Milne”) and in further view of Burns, U.S. Patent No. 6,630,964 (“Burns”).

The remaining rejections rely on this rejection. Only this first rejection is to be reviewed. However, this rejection is applied differently to different claims.

Accordingly,

Claims 1, 2, 3, 5-8, 11, 15-17 and 19-27 stand or fall together;

Claims 9, 10, 12, 13, and-14 stand or fall together; and

Claims 4 and 18 stand or fall together.

VII. ARGUMENT

A. *Claims 1-8, 11, and 15-27 are allowable as none of the cited references show a control bus for a removable tuner cartridge nor would there be any reason to.*

The Examiner has rejected claims 1-27, including Claims 1-8, 11, and 15-27, under 35 U.S.C. §103(a) as being unpatentable over Tajima et al., JP-6169440 (“Tajima”), in view of Milne et al., US. 2002/0180890 (“Milne”) and in further view of Burns, U.S. Patent No. 6,630,964 (“Burns”). This section is addressed to Claims 1-8, 11, and 15-27.

Tajima shows a television with modules 21-25 that can be attached or detached from the TV main body 1. Covers 31 are used to cover each of the module holes and, where appropriate, each cover provides a user interface (Figure 2). Figure 4 shows an antenna 71 coupled to some of the modules 21, 24, 25, 26. Modules 22 (A/V switcher) and 23 (audio amplifier) are instead coupled to the display 11 and speaker 61, respectively.

In Tajima, Figures 1 and 2 suggest that the modules are completely autonomous. The left module 21 has, on its cover, a power switch 211, a pilot lamp 212, a remote control sensor 213, and a channel display 214. All of the modules would appear to have a power switch and a power lamp, while only the first two have the IR sensor.

The exchangeable modules are in the form of a bare PC board with a connector at one end. The modules and the connector are described only vaguely in Tajima. In the circuit diagram, each module receives a tuner connection 71 and produces audio to the speaker 61 and video to the picture tube 11. The only description of control functions

would appear to rely on receiving IR remote control signals at eye 213. This module even has a power switch 211 and display 214.

The problem with the Tajima description is that a set of independent modules with their own remote control codes, displays and power switches is unlikely to present an integrated feel to the end user. In the example of Figure 1, the user must turn on at least 5 power switches to use the TV. (It could be that only one module must be turned on in order to access functions of that one module, but Tajima does not say.) There are also two different IR sensors. Tajima is silent on whether both sensors can be controlled with the same remote control. Tajima lacks any detail to help a person of average skill in the art to integrate the modules together to provide a convenient user experience.

The present invention on the other hand, provides a solution to that problem. The first bus connector is like the antenna line from the antenna 71 in Tajima. The second bus connector allows for seamless integration of the tuner cartridge with the rest of the television system.

Against the second bus, the Examiner has cited Milne and Burns. Milne shows a modular chassis architecture. The Milne architecture has two chassis, a processing chassis 50 and a presentation chassis 12 (Figure 3). As explained in paragraphs 53 and 54 of Milne, the same processing chassis is used for all models but different presentation chassis are used for different markets and feature sets. The presentation chassis has the A/V inputs, switching, tuning, decoding and similar functions. The different configurations are made at the factory. While the different presentation chassis are interchangeable from an engineering perspective, they are not interchangeable by a typical user.

In Milne, the Examiner has pointed to a USB bus, apparently the interface shown for the I/O Bridge 60 of the processing chassis 50 in Figure 3. The specification provides no purpose or use for the USB interface and there is none illustrated. It is unlikely that it connects somehow to, for example, the tuners 20, 22 of the presentation chassis 12 of the same Figure 3. Since no such connection is shown or suggested.

The Examiner also points to buses 51 between the I/O Bridge, CMOS Programmable Logic and ROM. This also does not appear to have any connection to the tuners 20, 22. This is especially true given that the specification teaches that “the processing chassis and the presentation chassis modules can operate independently of one another.” (paragraph 54)

The new Burns reference makes no suggestion that it may be adapted for use with a modular tuner cartridge. Burns shows buses that are designed so that the system can be built in different configurations. These references do not relate to cartridges and Applicants respectfully submit that it would not be obvious to adapt these flexible architectures to a tuner cartridge system as recited in the claims.

Claim 1 includes command and control signals on the second bus connector. Tajima shows a single bus connector 216 of Figure 2 and does not mention whether command and control signals are carried on this bus.

In particular, Claim 1 recites, in part, “a second bus connector... to communicate command and control signals between the tuner cartridge and a tuner system to which the bus connectors are connected.”

In Tajima, Figures 1 and 2 suggest that the modules are completely autonomous. The left module 21 has on its face a power switch 211, a pilot lamp 212, a remote control sensor 213, and a channel display 214. Note that in Claim 1 the control and command

are between the tuner cartridge and the tuner system not between a module and a system user. Accordingly, there would appear to be no reason to provide control and command to or from the module. The other components in Figure 4 that are not in a module are simply a connection panel 41, a graphics driver 51, a picture tube 11 and a speaker 61. These types of components do not normally have any controls or commands to send, nor any reason to receive them. There is also nothing in Tajima to suggest that they do.

The Examiner has referred to the USB interface of Milne to show command and control. As is clear from Milne's Figure 3, the tuners have no connection with the USB bus. They connect via video outputs (note the one-way right arrows) buses 118 and 119. There is no explanation of how the tuners might be controlled. In any event, the tuners are not part of a cartridge so the particular connections may be any of a variety of types known in the art.

Simply stated, there is no suggestion in this reference of the type of two bus structure with command and control as spelled out in Claim 1.

Claims 15 and 24, similarly recite, "a baseband bus to connect to a tuner cartridge in the slot and to provide command and control to the tuner cartridge in the slot." As explained above, the references simply do not present such a structure.

Accordingly Claims 1, 15, and 24 and the claims that depend therefrom are believed to be allowable over the cited references.

Dependent Claim 11 also contains similar recitations and is believed to be allowable therefore.

B. *Claims 9, 10, 12, 13, and 14 are allowable because none of the references disclose a housing to enclose a tuner nor would there be any reason to.*

The Examiner has rejected claims 1-27, including Claims 9, 10, 12, 13, and-14, under 35 U.S.C. §103(a) as being unpatentable over Tajima in view of Milne and Burns. This section is addressed to Claims 9, 10, 12, 13, and-14.

The Examiner has simply failed to provide a reference with a removable cartridge. In Tajima, the removable modules have a cover plate but no housing, no fingers, no gripping surface, etc. In Milne, there are two chassis, shown in block diagram form. Burns similarly shows only block diagrams.

In addition to a tuner, Claim 9 recites,

“a housing to enclose the tuner;

“a connector card edge protruding from an end of the housing to engage a slot in a tuner system; and

“fingers on the connector card edge to connect to a bus in the tuner system when the card edge is engaged in the slot to receive power and to send tuned video signals.”

Tajima does not show a housing. Even if the cover plate were considered to be the housing, it does not enclose the tuner. The other references do not show any type of housing. Without a housing, there is also no showing of a connector card edge that protrudes from the housing, nor of the other recited features.

Accordingly, Claim 9 is believed to clearly be allowable. In claim 9, the specific features of the cartridge that are called out, the housing, the protruding edge to engage a slot and the bus connection fingers, clearly distinguish the invention from all of the references.

Claim 8 is believed to be allowable on similar grounds as it recites, “a housing to enclose the tuner”

Claim 10 further distinguishes the invention by reciting “a gripping surface to allow the cartridge to be inserted into and removed from a tuner system.” This is not shown in any reference either.

The Examiner has addressed similar recitations, with respect to Claims 6, 7, and 8, the Examiner has relied upon Official Notice, however, while there may be cartridges with fingers and housings (for the record, Applicants deny this and request that the Examiner present a reference to prove such), there are no such cartridges that carry tuners and the two bus connections recited in these claims.

The television market is large and innovative and there are a wide range of devices that have been developed for television over the last 60 years, yet the Examiner has not found a removable tuner cartridge with the type of structure recited in Claim 9, nor in 6, 7, and 8. Applicant submits that this is a significant indication that such a tuner cartridge is not obvious. Notice how in Tajima there is a cover plate but no housing, no fingers, no gripping surface, etc. The same reasoning applies also to Claim 9.

The housing that encloses the tuner is not simply a design choice or matter of style. Adding a housing as claimed to any of the tuners in the references would limit the function of the tuner. The housing would limit cooling, it would limit connectivity to the chassis, and it would increase cost. It is accordingly counter-intuitive to add a housing to the references and, in part, therefore nonobvious.

Applicants respectfully submit that Claims 9, 10, 12, 14, and 14 are allowable over the cited combination and that these grounds apply also to other claims such as 6, 7, 8, 10 and 11.

C. *Claims 4 and 18 are allowable because the references do not show any form of addressability including polling, nor would there be any reason to.*

The Examiner has rejected claims 1-27, including Claims 4 and 18, under 35 U.S.C. §103(a) as being unpatentable over Tajima, in view of Milne and Burns. This section is addressed to Claims 4 and 18.

Dependent Claim 4 recites, “wherein the second bus connector determines an address by polling its pins when connected to the tuner system.” The Examiner has rejected this claim simply as obvious that the different modules would have addresses. However, there is nothing in any of the references to suggest the use of addresses. This points out the fundamental difference between the claimed invention in all of its iterations as compared to the prior art.

Tajima does not mention addresses because Tajima has no need for addresses. Milne and Burns do not disclose addresses because the system is configured at the factory. There is no need to poll the hardware because the hardware never changes from the original factory settings.

Applicants respectfully submit that none of the references suggest a tuner cartridge that determines an address by polling its pins when connected to the tuner system. The same may be said of Claim 18.

VIII. CONCLUSION


Appellant respectfully submits that all appealed claims in this application are patentable and were improperly rejected by the Examiner during prosecution before the United States Patent and Trademark Office. Appellant respectfully requests that the Board of Patent Appeals and Interferences overrule the Examiner and direct allowance of the rejected claims.

This Brief is submitted with a check for \$500.00 to cover the appeal fee for one other than a small entity as specified in 37 C.F.R. § 1.17(c). Please charge any shortages and credit any overpayments to our Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: Nov 26, 07



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IX. APPENDIX OF CLAIMS (37 C.F.R. § 41.37(c)(1)(viii))

1. A tuner cartridge comprising:
a tuner to demodulate video signals;
a first bus connector to receive modulated signals and supply the modulated signals to the tuner; and
a second bus connector to send baseband signals received from the tuner and to communicate command and control signals between the tuner cartridge and a tuner system to which the bus connectors are connected.
2. The cartridge of Claim 1, wherein the first bus connector couples to a first bus of the tuner system, the first bus being a radio frequency bus.
3. The cartridge of Claim 1, wherein the second bus connector couples to a second bus of the tuner system, the second bus being a baseband bus.
4. The cartridge of Claim 1, wherein the second bus connector determines an address by polling its pins when connected to the tuner system.
5. The cartridge of Claim 2, wherein the first bus connector and the second bus connector are formed in a printed circuit board substrate including electrical connectors formed of conductive leads on the substrate to connect to first and second buses of a tuner system.
6. The cartridge of Claim 1, further comprising fingers at an end of the cartridge to carry the first bus connector and the second bus connector.
7. The cartridge of Claim 1, further comprising an encoder coupled between the tuner and the second bus connector to decode signals demodulated by the tuner.
8. The cartridge of Claim 1, further comprising a housing to enclose the tuner and to carry the first bus connector and the second bus connector.

9. A tuner cartridge comprising:
a tuner to demodulate radio frequency modulated video signals;
a housing to enclose the tuner;
a connector card edge protruding from an end of the housing to engage a slot in a tuner system; and

fingers on the connector card edge to connect to a bus in the tuner system when the card edge is engaged in the slot to receive power and to send tuned video signals.

10. The cartridge of Claim 9, further comprising a gripping surface to allow the cartridge to be inserted into and removed from a tuner system.

11. The cartridge of Claim 9, wherein the fingers comprise a plurality of electrical connectors to communicate command and control signals with the baseband bus.

12. The cartridge of Claim 9, wherein the fingers comprise a plurality of connectors to receive the modulated video signals from a source bus in the tuner system.

13. The cartridge of Claim 9, wherein the fingers comprise a plurality of connectors to send the demodulated video signals to a baseband bus in the tuner system and a cartridge identification stored in the cartridge to the tuner system.

14. The cartridge of Claim 10, wherein the connector card edge comprises a printed circuit board substrate and wherein the fingers comprise conductive leads on the substrate.

15. A tuner system comprising:
a slot to receive a tuner cartridge;
a baseband bus to connect to a tuner cartridge in the slot and to provide command and control to the tuner cartridge in the slot; and

a source bus to connect to the tuner cartridge in the slot and to supply modulated video signals to a tuner cartridge in the slot.

16. The system of Claim 9, wherein the baseband bus receives demodulated video signals from a tuner cartridge in the slot.

17. The system of Claim 1, wherein the baseband bus communicates an address for command and control signals to a tuner cartridge in the slot.

18. The system of Claim 9, wherein the slot comprises electrical connectors one or more of which are shorted high or low to create a fixed identification for the slot.

19. The system of Claim 9, further comprising a source connector to connect to a source of modulated video signals and to the source bus.

20. The system of Claim 13, further comprising a plurality of slots and wherein the source bus comprises a splitter to couple modulated video signal from two different sources to a tuner cartridge in a slot.

21. The system of Claim 13, wherein the source connector comprises a coaxial cable connector to receive video signals from an antenna.

22. The system of Claim 9, further comprising a video output connector to provide video signals from the baseband bus to a video device.

23. The system of Claim 9, further comprising a video processor coupled between the baseband bus and the video output connector to generate a video signal for the video device.

24. A consumer entertainment system comprising:
a slot to receive a tuner cartridge;
a baseband bus to connect to a tuner cartridge in the slot and to provide command and control to the tuner cartridge in the slot;

a video processor coupled to the baseband bus to generate a video signal at the video output connector for a video device; and

a source bus to connect to the tuner cartridge in the slot and to supply modulated video signals to the tuner cartridge in the slot.

25. The system of Claim 24, wherein the baseband bus receives demodulated video signals from a tuner cartridge in the slot.

26. The system of Claim 24, wherein the baseband bus communicates an address for command and control signals to a tuner cartridge in the slot.

27. The system of Claim 13, further comprising a plurality of slots and a source connector to connect to a source of modulated video signals and to the source bus, and wherein the source bus comprises a splitter to couple a tuner cartridge in a plurality of slots to the source connector.

X. EVIDENCE APPENDIX

None.

XI. RELATED PROCEEDINGS APPENDIX

None.